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What is claimed is:

- 1. (Canceled)
- 2. (Currently Amended) A method of suppressing fires in a space comprising the steps of:
- (a) generating a [first] fire suppressing gas mixture from at least one non-azide solid propellant chemical, the [first] fire suppressing gas mixture comprising at least a first gas, said first gas comprising nitrogen; and
 - (b) delivering at least said first gas into the space; and
- (c) filtering at least a percentage of a second gas from the [first] fire suppressing gas mixture upon [prior to] delivery into the space.
- 3. (Original) The method as claimed in claim 2 wherein the second gas comprises water vapor.
- 4. (Original) The method as claimed in claim 3 wherein the second gas comprises CO₂.
- 5. (Currently Amended) The method as claimed in claim 2 wherein substantially all of the second gas is filtered from the [first] fire suppressing gas mixture.
- 6. (Canceled)
- 7. (Currently Amended) A method of suppressing fires in a space comprising the steps of:
- (a) generating a [first] fire suppressing gas mixture from at least one non-azide solid propellant chemical, the [first] fire suppressing gas mixture comprising at least a first gas, said first gas comprising nitrogen;

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- (b) delivering only the [first] fire suppressing gas mixture into the space; and
- (c) reducing the temperature of the [first] fire suppressing gas mixture prior to delivering into the space.
- 8. (Canceled)
- 9. (Canceled)
- 10. (Canceled)
- 11. (Currently Amended) An apparatus for suppressing fires in a normally occupied enclosed space comprising:
 - (a) a sensor for detecting a fire;
- (b) at least one solid inert gas generator that, in response to receiving a signal from the sensor, ignites to generate only a fire suppressing gas mixture for delivery into the enclosed space; and
- (c) an inert gas discharge diffuser to direct the fire suppressing gas mixture into said enclosed space

wherein the fire suppressing gas mixture includes nitrogen [and]; and wherein the fire suppressing gas mixture includes at least one of water vapor and carbon dioxide.

- 12. (Currently Amended) An apparatus for suppressing fires in a normally occupied enclosed space comprising:
 - (a) a sensor for detecting a fire;
- (b) at least one solid inert gas general or that, in response to receiving a signal from the sensor, ignites to generate only a fire suppressing gas mixture for delivery into the enclosed space; and

(c) an inert gas discharge diffuser to direct the fire suppressing gas mixture into said enclosed space;

wherein the fire suppressing gas mixture comprises at lease two gases and the apparatus further comprises at least one filter for filtering at least a portion of at least one of the gases from the fire suppression gas mixture, [prior to] upon the delivery thereof to the enclosed space.

- 13. (Currently Amended) The apparatus as claimed in claim 12 wherein the filter is adapted to filter substantially all of the at least one of the gases from the [first] fire suppressing gas mixture.
- 14. (Cancelled)
- 15. (Currently Amended) A gas generator <u>for generating</u> and <u>delivering</u> [delivery] a fire suppressing gas mixture to an enclosed space, comprising:
 - a housing;
 - at least one pre-packed solid propellant disposed within said housing;
- a pyrotechnic device for initiating ignition of said solid propellant to thereby generate only said fire suppressing gas mixture and
- a discharge diffuser for directing the fire suppressing gas mixture within said enclosed space;
- at least one filter for filtering at least a portion of one gas from said fire suppressing gas mixture.
- 16. (Previously Presented) A gas generator for generating and delivering a fire suppressing gas mixture to an enclosed space, comprising:
 - a housing;
 - at least one pre-packed solid propellant disposed within said housing;

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a pyrotechnic device for initiating ignition of said solid propellant to thereby generate only said fire suppressing gas mixture; and

a discharge diffuser for directing the fire suppressing gas mixture within said enclosed space

at least one screen for reducing the temperature of said fire suppressing gas mixture.

- 17. (Previously Presented) A gas generator for generating and delivering a fire suppressing gas to an enclosed space, comprising:
 - a housing;
 - at least one pre-packed solid propellant disposed within said housing;
- a pyrotechnic device for initiating ignition of said solid propellant to thereby generate only said fire suppressing gas mixture; and
- a discharge diffuser for directing the fire suppressing gas mixture within said enclosed space;

wherein said discharge diffuser includes 180° directional cap.

- 18. (Previously Presented) A gas generator for generating and delivering a fire suppressing gas mixture to an enclosed space, comprising:
 - a housing;
 - at least one pre-packed solid propellant disposed within said housing;
- a pyrotechnic device for initiating ignition of said solid propellant to thereby generate only said fire suppressing gas mixture and
- a discharge diffuser for directing the fire suppressing gas mixture within said enclosed space;

wherein said discharge diffuser includes \$ 360° directional cap.

19. (Previously Presented) A gas generator for generating and delivering a fire suppressing gas mixture to an enclosed space, comprising:

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a housing;

at least one pre-packed solid propellant disposed within said housing;

a pyrotechnic device for initiating ignition of said solid propellant to thereby generate only said fire suppressing gas mixture; and

a discharge diffuser for directing the fire suppressing gas mixture within said enclosed space;

wherein said discharge diffuser includes a perforated cap.

- 20. (Previously Presented) A gas generator for generating and delivering a fire suppressing gas mixture to an enclosed space, comprising:
 - a housing;
 - at least one pre-packed solid propellant disposed within said housing;
- a pyrotechnic device for initiating ignition of said solid propellant to thereby generate only said fire suppressing gas mixture, and
- a discharge diffuser for directing the fire suppressing gas mixture within said enclosed space;

wherein said discharge diffuser includes # 90° directional cap.

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